

Gravatt, Dan

From: Schumacher, John <jschu@usgs.gov>
Sent: Tuesday, February 19, 2013 10:59 AM
To: Gravatt, Dan
Cc: Warren, Victoria; Paul Rosasco (paulrosasco@emsidenver.com); Pedicino, Bill; muenks.shawn@dnr.mo.gov
Subject: Re: USGS wells
Attachments: USGS_wells_NWISMapperExport.xls

Dan,

Here is an excel file of the USGS wells we discussed. I am having someone pull the construction details from the non-public area of the database. Bottom line is all the wells that were part of the USGS NAWQA urban hydrology program were augured to refusal and have 2-in screens and riser. In looking these, all are going to be in upland areas (no Mo River alluvium) and less than 30-35 ft deep.

The link you have <http://waterdata.usgs.gov/mo/nwis/current/?type=gw> is for active wells in the MDNR groundwater level network. While there are several alluvial wells in this network, none real close to your site.

A start for background data is following report done for the DOE Weldon Spring site done back in the 1990s. For this study several wells were installed in the Mo River alluvium on the north bank upstream from the Wledon Spring site to provide background QW data. I'm sure the wells no longer exist.

<http://pubs.er.usgs.gov/publication/ofr93109>

0714

40470343

3.0



Superfund

DU01

National Water Information System: Mapper

Sites Map Layers

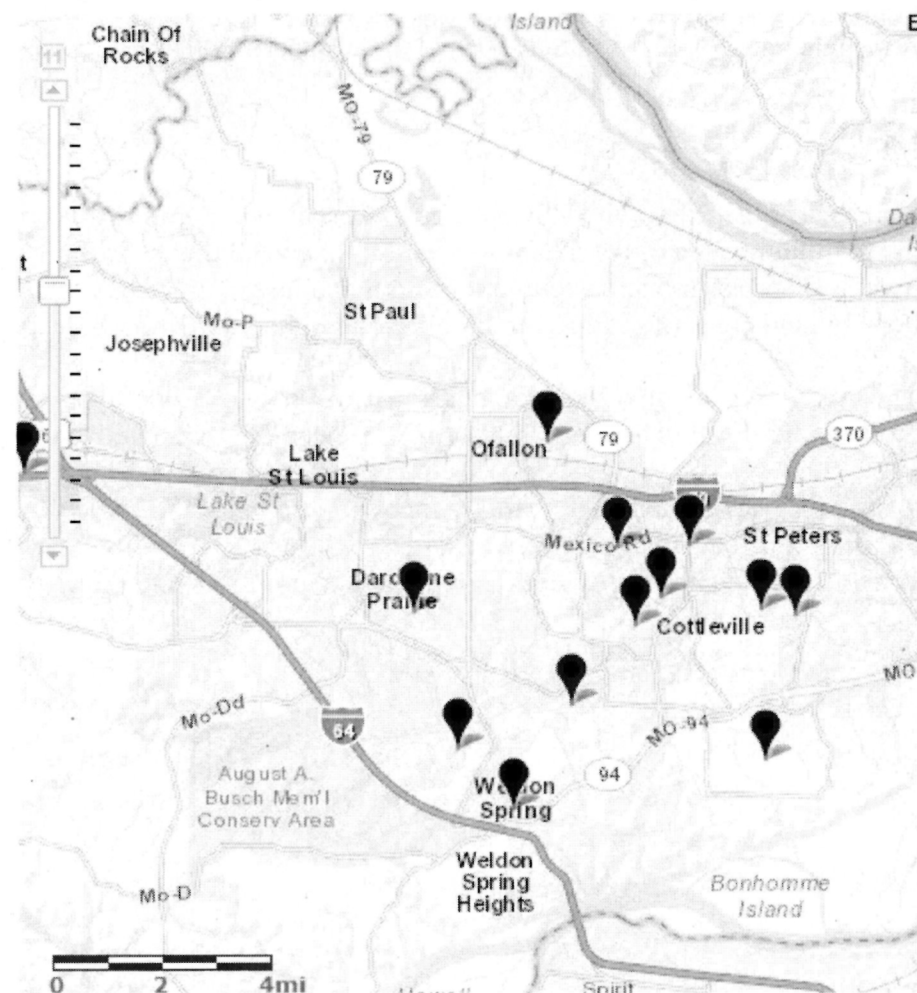
Search

Surface-Water Sites

Groundwater Sites

- ☒ Active Sites
- ☒ Any data
 - ☐ Instantaneous data
 - ☐ Daily data
 - ☐ Water-quality data
 - ☐ Measurements
 - ☐ Annual Report

- ☐ Inactive Sites
- ☐ Any data
 - ☐ Instantaneous data
 - ☐ Daily data
 - ☒ Water-quality data
 - ☐ Measurements
 - ☐ Annual Report



Status Surface-Water Groundwater Springs Atmos

Active

Inactive

Site Number	Site Name
384846090510301	Wentzville
384634090430201	46N3E-5.8f1
384422090420701	46N3E-17.1b1
384323090405801	46N3E-22.8b1
384917090401601	47N3E-22.5g1
384504090394701	46N3E-10.1a1
384734090384801	47N3E-35.2h1

Springs

On Tue, Feb 19, 2013 at 10:18 AM, Gravatt, Dan <Gravatt.Dan@epa.gov> wrote:

Victoria, this is what I've found so far:

<http://waterdata.usgs.gov/mo/nwis/current/?type=gw>

It does not include all the wells shown in my previous e-mail, not sure why. It does not include well logs either, though the "Summary of all available data for this site" link for each well shows total depth and completion aquifer.

MDNR may have some additional wells it owns/operates in the area. **Shawn**, could you check to see what's available?

Sincerely,

Daniel R. Gravatt, PG

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Principles and integrity are expensive, but they are among the very few things worth having.

From: Warren, Victoria [mailto:VWarren@republicservices.com]

Sent: Friday, February 15, 2013 3:09 PM

To: Gravatt, Dan

Cc: Paul Rosasco (paulrosasco@emsidenver.com)

Subject: USGS wells

Dan,

Do you know if there are well logs available for the locations you provided to us for USGS wells?

vw

Victoria Warren | Director, Hydrogeology & Superfund | Republic Services, Inc.

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SiteNumber	SiteName	SiteCategory	SiteAgency	SiteLongitude	SiteLatitude	SiteNWISURL	Program
384634090430201	46N3E-5.8f1	GW	USGS	-90.7171111	38.77602778	Access Data	USGS NAWQA urban Hydrology
384422090420701	46N3E-17.1b1	GW	USGS	-90.7018889	38.7395	Access Data	USGS NAWQA urban Hydrology
384323090405801	46N3E-22.8b1	GW	USGS	-90.6829167	38.72319444	Access Data	USGS NAWQA urban Hydrology
384917090401601	47N3E-22.5g1	GW	USGS	-90.6710556	38.82130556	Access Data	USGS NAWQA urban Hydrology
384504090394701	46N3E-10.1a1	GW	USGS	-90.6630278	38.75102778	Access Data	USGS NAWQA urban Hydrology
384734090384801	47N3E-35.2h1	GW	USGS	-90.6466944	38.7928333	Access Data	USGS NAWQA urban Hydrology
384619090382701	46N3E-2.7d1	GW	USGS	-90.6408611	38.7718611	Access Data	USGS NAWQA urban Hydrology
384646090375501	47N3E-36.3a1	GW	USGS	-90.6319444	38.77944444	Access Data	USGS NAWQA urban Hydrology
384635090355101	46N4E-5.5g1	GW	USGS	-90.5975	38.7763611	Access Data	USGS NAWQA urban Hydrology
384411090354601	46N4E-17.3a1	GW	USGS	-90.5961944	38.7363333	Access Data	USGS NAWQA urban Hydrology
384629090350901	46N4E-4.8f1	GW	USGS	-90.5858056	38.7745833	Access Data	USGS NAWQA urban Hydrology
385658090345901	13S 1W-12.2f1	GW	USGS	-90.5831757	38.94949394	Access Data	USGS NAWQA urban Hydrology
385800090230001	6N12W-13.	GW	USGS	-90.383448	38.96671487	Access Data	USGS NAWQA urban Hydrology
38484909092001	Columbia Bottoms	GW	USGS	-90.1524167	38.81294444	Access Data	MDNR GW level netowk